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Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Manufacturers' Shipments Inventories, and Orders

**April 1999**

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All figures in text are in seasonally adjusted current dollars

## Summary

New orders for manufactured goods in April decreased \$4.3 billion or 1.2 percent to \$345.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.9 percent March increase and is the second decrease in the last three months. Excluding transportation, new orders increased 0.5 percent, the fifth increase in the last six months. Year-to-date, new orders are 3.3 percent above the same period a year ago.

Shipments decreased \$1.5 billion or 0.4 percent to \$347.6 billion, following a 1.6 percent March increase. This is the second decrease this year. Year-to-date, shipments are 3.0 percent above the same period a year ago.

Unfilled orders decreased \$2.1 billion or 0.4 percent to \$524.5 billion, following a 0.1 percent March increase. This is the ninth decrease in the last twelve months. The unfilled orders-to-shipments ratio was 2.63, down from 2.64 in March.

Inventories decreased \$0.6 billion or 0.1 percent to \$463.0 billion. This is the sixth consecutive decrease. The inventories-to-shipments ratio was 1.33, unchanged from March.

## New Orders

New orders for manufactured durable goods in April decreased \$4.2 billion or 2.1 percent to \$195.2 billion, revised from the previously published 2.3 percent decrease. This follows a 2.9 percent March increase and is the second decrease in the last three months.

Transportation equipment had the largest decrease, \$5.9 billion or 12.3 percent to \$41.7 billion; all component industries decreased, led by aircraft and parts. This follows a 4.7 percent March increase. Stone, clay, and glass products decreased \$0.3 billion or 3.0 percent to \$8.3 billion, following a 2.1 percent March increase. Industrial machinery and equipment increased \$1.4 billion or 3.6 percent to \$39.7 billion, following a 3.5 percent March increase. Instruments and related products, up for the sixth consecutive month, increased \$0.4 billion or 3.1 percent to \$14.8 billion.

New orders for nondurable goods decreased \$0.1 billion or 0.1 percent to \$150.3 billion; decreases in food and kindred products and paper and allied products more than offset an increase in textile mill products. This follows a 0.7 percent March increase.

## Shipments

Shipments of durable goods in April decreased \$1.0 billion or 0.5 percent to \$197.3 billion, revised from the previously published 0.6 percent decrease. This follows a 2.0 percent March increase.

Transportation equipment had the largest decrease, \$1.5 billion or 3.0 percent to \$47.8 billion; led by motor vehicles and parts, all component industries decreased except aircraft and parts. This follows a 3.7 percent March increase and is the largest decrease since the 6.2 percent decline in June 1998. Primary metals, down eleven of the last fourteen months, decreased \$0.4 billion or 2.5 percent to

\$14.1 billion. This follows a 2.0 percent March increase. Industrial machinery and equipment, up for the third consecutive month increased \$0.5 billion or 1.5 percent to \$37.5 billion, following a 0.4 percent March increase. Electronic and other electrical equipment, up eight of the last eleven months, increased \$0.5 billion or 1.6 percent to \$33.6 billion. This follows a 2.5 percent March increase.

Shipments of nondurable goods decreased \$0.5 billion or 0.2 percent to \$150.3 billion. This follows a 1.0 percent March increase. Food and kindred products decreased \$0.8 billion or 2.0 percent to \$40.8 billion, following a 0.4 percent March increase.

## Unfilled Orders

Unfilled orders for durable goods in April decreased \$2.1 billion or 0.4 percent to \$501.1 billion, revised from the previously published 0.5 percent decrease. This follows a 0.2 percent March increase and is the second decrease in the last three months. Transportation equipment, down ten of the last twelve months, had the largest decrease, \$6.1 billion or 2.5 percent to \$238.5 billion. This follows a 0.7 percent March decrease. Fabricated metal products, also down ten of the last twelve months, decreased \$0.2 billion or 1.0 percent to \$25.8 billion. Industrial machinery and equipment, up five consecutive months, increased \$2.2 billion or 2.9 percent to \$79.0 billion. This follows a 1.8 percent March increase. Electronic and other electrical equipment, up five consecutive months, increased \$0.9 billion or 1.3 percent to \$65.1 billion. This follows a 2.0 percent March increase.

## Inventories

Inventories of durable goods in April decreased \$1.1 billion or 0.4 percent to \$292.3 billion, following a 0.2 percent March decrease. This is the fifth decrease in the last six months. Transportation equipment, down five of the last six months, decreased \$0.9 billion or 1.2 percent to \$72.5 billion, following a 0.8 percent March decrease. Industrial machinery and equipment, down for the first time this year, decreased \$0.3 billion or 0.4 percent to \$60.6 billion, following a 0.2 percent March increase. Primary metals, down for the seventh consecutive month, decreased \$0.1 billion or 0.5 percent to \$23.6 billion, following a 1.8 percent March decrease. Electronic and other electrical equipment, up for the third consecutive month, increased \$0.1 billion or 0.3 percent to \$40.5 billion, following a 0.6 percent March increase.

Inventories of nondurable goods increased \$0.5 billion or 0.2 percent to \$170.7 billion, following a slight increase in March. Chemicals and allied products had the largest increase, \$0.4 billion or 0.9 percent to \$46.3 billion. This follows a 0.8 percent March decrease. Food and kindred products, up four of the last five months, increased \$0.2 billion or 0.6 percent to \$37.9 billion following a 0.2 percent March decrease.

By stage of fabrication, April finished goods increased 0.2 percent in durables and decreased 0.3 percent in nondurables. Work in process decreased 0.7 percent in durables and increased 3.7 percent in nondurables. Materials and supplies decreased 0.6 percent in durables and 0.5 percent in nondurables.

Our internet address is: <http://www.census.gov/indicator/www/m3>

**Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1999 <sup>P</sup>	Mar. 1999 <sup>P</sup>	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999 <sup>P</sup>	Mar. 1999 <sup>P</sup>	Feb. 1999	Apr. 1998	Apr. 99/98	1999 <sup>P</sup>	1998
All manufacturing industries . . . . .	347,558	349,065	343,724	-0.4	+1.6	+0.6	344,047	369,208	341,000	332,551	+3.5	1,361,837	1,322,262
Manufacturing Industries													
with unfilled orders . . . . .	199,375	199,369	196,786	0.0	+1.3	-0.1	193,693	213,417	194,347	187,277	+3.4	775,018	753,300
without defense capital goods . . .	341,033	342,392	336,995	-0.4	+1.6	+0.6	337,888	362,035	334,246	326,101	+3.6	1,336,257	1,296,831
Durable goods industries . . . . .	197,251	198,292	194,465	-0.5	+2.0	+0.2	194,836	215,480	194,919	184,959	+5.3	775,683	739,273
With unfilled orders . . . . .	162,470	162,478	159,569	0.0	+1.8	-0.2	157,679	176,528	157,833	150,369	+4.9	631,300	606,731
Stone, clay, and glass products . . . .	8,402	8,494	8,456	-1.1	+0.4	+2.9	8,566	8,418	7,961	8,113	+5.6	32,064	29,731
Primary metals . . . . .	14,147	14,505	14,224	-2.5	+2.0	-0.6	14,680	15,242	14,635	16,098	-8.8	58,143	63,791
Blast furnaces, steel mills . . . . .	5,482	5,637	5,553	-2.7	+1.5	+2.9	5,692	5,905	5,776	6,583	-13.5	22,609	26,390
Iron and steel foundries . . . . .	1,497	1,548	1,527	-3.3	+1.4	+0.1	1,579	1,655	1,587	1,602	-1.4	6,218	6,241
Nonferrous and other primary metals . . . . .	7,168	7,320	7,144	-2.1	+2.5	-3.3	7,409	7,682	7,272	7,913	-6.4	29,316	31,140
Fabricated metal products . . . . .	20,495	20,416	20,391	+0.4	+0.1	-0.6	20,623	21,274	20,585	19,748	+4.4	81,039	77,611
Industrial machinery and equipment . .	37,513	36,972	36,756	+1.5	+0.6	+0.7	35,854	43,579	35,722	35,439	+1.2	145,500	144,931
Engines and turbines . . . . .	2,337	2,284	2,312	+2.3	-1.2	+0.4	2,233	2,605	2,291	2,024	+10.3	9,023	8,521
Farm and garden machinery . . . . .	1,932	2,003	1,941	-3.5	+3.2	+0.5	2,685	2,757	2,275	2,969	-9.6	9,450	9,961
Construction, mining and material handling equipment . . . .	3,976	4,139	3,990	-3.9	+3.7	+1.2	4,038	4,617	4,095	4,275	-5.5	16,231	16,881
Metalworking machinery . . . . .	3,416	3,464	3,545	-1.4	-2.3	+0.9	3,156	3,696	3,383	3,271	-3.5	12,929	12,931
Computer and office equipment . . .	11,812	11,084	11,195	+6.6	-1.0	+2.0	9,307	14,472	9,798	8,420	+10.5	41,610	39,011
Electronic and other electrical equipment . . . . .	33,569	33,032	32,235	+1.6	+2.5	-1.8	31,005	35,501	31,196	27,883	+11.2	125,513	116,121
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,740	3,778	3,625	-1.0	+4.2	-0.1	3,703	4,156	3,676	3,479	+6.4	14,711	14,471
Household appliances . . . . .	2,407	2,338	2,405	+3.0	-2.8	+6.6	2,399	2,573	2,346	2,006	+19.6	9,143	7,891
Electric lighting and wiring equipment . . . . .	2,265	2,314	2,234	-2.1	+3.6	-0.4	2,168	2,522	2,286	2,155	+0.6	8,942	8,811
Household audio and video equipment . . . . .	1,084	1,031	1,046	+5.1	-1.4	-9.4	920	991	952	891	+3.3	3,793	3,671
Communications equipment . . . . .	8,196	8,049	7,634	+1.8	+5.4	-5.4	7,033	9,208	6,876	5,757	+22.2	29,251	25,121
Electronic components . . . . .	13,569	13,172	13,057	+3.0	+0.9	-1.9	12,665	13,759	12,885	11,664	+8.6	51,302	48,211
Transportation equipment . . . . .	47,804	49,267	47,502	-3.0	+3.7	+0.6	49,700	53,786	50,526	45,528	+9.2	196,658	177,781
Motor vehicles and parts . . . . .	32,257	33,281	32,118	-3.1	+3.6	+0.5	34,449	36,601	35,628	31,657	+8.8	136,782	123,731
Aircraft, missiles, space vehicles, and parts . . . . .	12,249	12,098	12,207	+1.2	-0.9	-0.4	11,937	13,063	11,734	10,768	+10.9	46,804	42,291
Shipbuilding and tanks . . . . .	950	1,083	895	-12.3	+21.0	-14.3	939	1,120	879	1,092	-14.0	3,724	3,551
Instruments and related products . . . .	14,265	14,553	14,046	-2.0	+3.6	+0.2	13,535	15,738	13,874	13,226	+2.3	55,431	54,491
Search and navigation equipment . . .	3,124	3,177	3,094	-1.7	+2.7	-2.4	2,990	3,420	3,137	2,966	+0.8	12,275	11,791
Measuring and controlling devices . .	4,054	4,095	4,141	-1.0	-1.1	+1.6	3,825	4,451	4,149	3,844	-0.5	16,058	16,211
Medical instruments and supplies . . .	4,774	4,962	4,650	-3.8	+6.7	+2.7	4,459	5,461	4,594	4,135	+7.8	18,555	17,441
Photographic goods . . . . .	1,820	1,832	1,653	-0.7	+10.8	-7.4	1,754	1,903	1,511	1,844	-4.9	6,647	7,261
All other durable goods . . . . .	21,056	21,053	20,855	0.0	+0.9	+2.0	20,873	21,942	20,420	18,924	+10.3	81,335	74,781
Nondurable goods industries . . . . .	150,307	150,773	149,259	-0.3	+1.0	+1.1	149,211	153,728	146,081	147,592	+1.1	586,154	582,981
With unfilled orders . . . . .	36,905	36,891	37,217	0.0	-0.9	+0.2	36,014	36,889	36,514	36,908	-2.4	143,718	146,561
Food and kindred products . . . . .	40,816	41,659	41,479	-2.0	+0.4	+0.4	39,806	42,543	40,346	39,670	+0.3	161,505	158,561
Meat products . . . . .	8,592	8,588	8,590	0.0	0.0	-0.1	8,433	8,590	8,337	8,562	-1.5	33,429	33,741
Dairy products . . . . .	6,144	6,667	6,591	-7.8	+1.2	-0.7	5,866	6,911	6,408	5,769	+1.7	25,693	23,401
Beverages . . . . .	6,337	6,263	6,272	+1.2	-0.1	+0.4	6,370	6,183	5,658	6,071	+4.9	23,607	22,711
All other foods, except fats and oils .	17,922	18,189	18,068	-1.5	+0.7	+0.9	17,316	18,907	17,985	17,203	+0.7	71,118	70,111
Tobacco products . . . . .	4,091	4,149	4,088	-1.4	+1.5	+1.8	3,841	4,491	4,069	3,215	+19.5	16,221	13,111
Textile mill products . . . . .	6,573	6,363	6,426	+3.3	-1.0	-2.4	6,328	6,734	6,268	6,486	-2.4	25,099	26,941
Broadwoven fabrics and other textiles . . . . .	3,811	3,617	3,694	+5.4	-2.1	-4.1	3,701	3,966	3,680	3,946	-6.2	14,828	16,841
Paper and allied products . . . . .	13,394	13,404	13,662	-0.1	-1.9	+1.6	13,155	13,495	13,749	13,717	-4.1	53,330	55,241
Pulp, paper, and paperboard mill products . . . .	5,082	5,102	5,236	-0.4	-2.6	+1.1	4,989	5,159	5,265	5,341	-6.6	20,396	21,841
Paperboard containers and boxes . . .	3,281	3,267	3,368	+0.4	-3.0	-1.0	3,295	3,299	3,386	3,626	-9.1	13,255	14,311
Miscellaneous converted paper products . . . . .	5,031	5,035	5,058	-0.1	-0.5	+4.0	4,871	5,037	5,098	4,750	+2.5	19,679	19,141
Chemicals and allied products . . . . .	33,563	33,577	33,196	0.0	+1.1	+2.8	34,574	35,471	32,585	33,541	+3.1	133,431	131,341
Industrial chemicals . . . . .	14,534	14,587	14,670	-0.4	-0.6	-0.1	14,869	15,120	14,938	15,332	-3.0	59,031	62,041
Drugs, soaps, and toiletries . . . . .	15,130	14,945	14,690	+1.2	+1.7	+5.6	14,378	15,721	13,883	12,686	+13.3	57,440	51,941
Petroleum and coal products . . . . .	12,857	12,380	11,262	+3.9	+9.9	+2.0	13,033	11,434	10,137	12,725	+2.4	44,423	48,241
Rubber and plastics products . . . . .	13,460	13,708	13,718	-1.8	-0.1	+3.9	13,023	14,404	13,907	13,636	+2.1	54,438	52,841
All other nondurable goods . . . . .	25,553	25,533	25,428	+0.1	+0.4	-0.9	24,554	25,156	25,020	24,602	-0.2	97,707	96,541

<sup>P</sup> Preliminary. <sup>1</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

**Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Apr. 1998	Apr. 99/98	1999 <sup>p</sup>	1998
All manufacturing industries . . . . .	345,418	349,722	343,046	-1.2	+1.9	-1.8	346,194	367,859	339,552	336,909	+2.8	1,379,198	1,332,600
Manufacturing industries with unfilled orders . . . . .	197,235	200,026	196,108	-1.4	+2.0	-4.2	195,840	212,068	192,899	191,635	+2.2	792,379	763,638
without defense capital goods . . . . .	340,312	341,953	337,547	-0.5	+1.3	-1.1	341,116	358,500	334,897	330,096	+3.3	1,351,562	1,306,250
Durable goods industries . . . . .	195,164	199,366	193,786	-2.1	+2.9	-3.9	196,702	214,181	193,524	189,159	+4.0	792,415	749,146
With unfilled orders . . . . .	160,383	163,552	158,890	-1.9	+2.9	-5.2	159,545	175,229	156,438	154,569	+3.2	648,032	616,604
Stone, clay, and glass products . . . . .	8,325	8,584	8,404	-3.0	+2.1	+1.9	8,477	8,582	7,946	8,109	+4.5	32,287	30,014
Primary metals . . . . .	14,767	14,539	14,601	+1.6	-0.4	+6.9	15,132	15,406	16,011	15,576	-2.9	60,503	64,605
Blast furnaces, steel mills . . . . .	5,815	5,817	5,882	0.0	-1.1	+18.7	5,986	6,103	6,603	6,091	-1.7	24,069	26,922
Iron and steel foundries . . . . .	1,549	1,367	1,373	+13.3	-0.4	-8.7	1,567	1,537	1,564	1,484	+5.6	6,163	6,748
Nonferrous and other primary metals . . . . .	7,403	7,355	7,346	+0.7	+0.1	+2.0	7,579	7,766	7,844	8,001	-5.3	30,271	30,935
Fabricated metal products . . . . .	20,228	20,391	20,421	-0.8	-0.1	-1.5	20,373	21,295	20,746	20,228	+0.7	81,534	78,538
Industrial machinery and equipment . . . . .	39,726	38,338	37,037	+3.6	+3.5	-0.3	37,966	44,134	36,232	35,252	+7.7	150,189	145,875
Engines and turbines . . . . .	4,372	3,605	2,930	+21.3	+23.0	+8.0	3,932	3,488	2,603	1,991	+97.5	12,179	7,546
Construction, mining and material handling equipment . . . . .	3,897	3,928	3,880	-0.8	+1.2	-1.0	3,890	4,535	4,240	4,232	-8.1	16,436	18,207
Metalworking machinery . . . . .	3,599	3,392	3,673	+6.1	-7.7	+1.2	3,339	3,624	3,511	3,227	+3.5	13,285	13,201
Computer and office equipment . . . . .	11,627	11,363	10,921	+2.3	+4.0	-0.7	9,287	14,648	9,637	8,538	+8.8	41,593	39,161
Electronic and other electrical equipment . . . . .	34,424	34,264	32,651	+0.5	+4.9	-6.4	35,346	34,282	30,336	31,784	+11.2	134,716	122,700
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,757	3,837	3,646	-2.1	+5.2	+3.4	3,722	4,220	3,823	3,361	+10.7	15,012	14,501
Electric lighting and wiring equipment . . . . .	2,448	2,335	2,266	+4.8	+3.0	-3.3	2,351	2,543	2,318	2,235	+5.2	9,280	9,108
Communications equipment . . . . .	8,159	8,409	8,130	-3.0	+3.4	-1.1	6,979	9,556	7,393	5,749	+21.4	30,182	27,224
Electronic components . . . . .	14,298	13,956	13,070	+2.5	+6.8	-14.1	16,987	12,273	11,466	15,600	+8.9	58,734	51,975
Transportation equipment . . . . .	41,701	47,558	45,421	-12.3	+4.7	-13.3	43,646	53,049	47,632	46,284	-5.7	194,355	178,949
Aircraft, missiles, space vehicles, and parts . . . . .	7,194	10,369	10,978	-30.6	-5.5	-29.3	7,161	12,352	9,641	12,872	-44.4	44,195	44,687
Shipbuilding and tanks . . . . .	717	1,993	433	-64.0	360.3	-78.5	714	2,026	389	562	+27.0	4,938	2,942
Instruments and related products . . . . .	14,847	14,402	14,177	+3.1	+1.6	+0.2	14,441	15,222	14,012	13,072	+10.5	56,481	53,962
Search and navigation equipment . . . . .	3,460	3,186	3,177	+8.6	+0.3	+4.0	3,402	3,513	3,194	2,620	+29.8	12,837	11,140
Measuring and controlling devices . . . . .	4,145	4,142	4,237	+0.1	-2.2	+0.9	3,916	4,498	4,245	3,702	+5.8	16,415	15,943
Medical instruments and supplies . . . . .	4,992	4,802	4,606	+4.0	+4.3	-1.3	4,980	4,815	4,492	4,559	+9.2	18,760	18,127
All other durable goods . . . . .	21,146	21,290	21,074	-0.7	+1.0	+3.0	21,321	22,211	20,609	18,854	+13.1	82,350	74,503
Non durable goods industries . . . . .	150,254	150,356	149,260	-0.1	+0.7	+1.1	149,492	153,678	146,028	147,750	+1.2	586,783	583,454
With unfilled orders . . . . .	36,852	36,474	37,218	+1.0	-2.0	+0.1	36,295	36,839	36,461	37,066	-2.1	144,347	147,034

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3- "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

**Table 3. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 99/98
	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Apr. 1998	
All manufacturing industries . . . . .	524,516	526,656	525,999	-0.4	+0.1	-0.1	530,347	528,200	529,549	541,896	-2.1
Manufacturing industries without defense capital goods . . . . .	428,844	429,565	430,004	-0.2	-0.1	+0.1	432,578	429,350	432,885	438,761	-1.4
Durable goods industries . . . . .	501,095	503,182	502,108	-0.4	+0.2	-0.1	506,772	504,906	506,205	516,207	-1.8
Stone, clay, and glass products . . . . .	6,210	6,287	6,197	-1.2	+1.5	-0.8	6,294	6,383	6,219	6,451	-2.4
Primary metals . . . . .	29,933	29,313	29,279	+2.1	+0.1	+1.3	31,207	30,755	30,591	35,152	-11.2
Blast furnaces, steel mills . . . . .	11,833	11,500	11,320	+2.9	+1.6	+3.0	12,495	12,201	12,003	14,884	-16.1
Iron and steel foundries . . . . .	5,154	5,102	5,283	+1.0	-3.4	-2.8	5,297	5,309	5,427	5,975	-11.3
Nonferrous and other primary metals . . . . .	12,946	12,711	12,676	+1.8	+0.3	+1.6	13,415	13,245	13,161	14,293	-6.1
Fabricated metal products . . . . .	25,847	26,114	26,139	-1.0	-0.1	+0.1	25,929	26,179	26,158	27,273	-4.9
Industrial machinery and equipment . . . . .	78,969	76,756	75,390	+2.9	+1.8	+0.4	79,130	77,018	76,463	74,365	+6.4
Engines and turbines . . . . .	22,467	20,432	19,111	+10.0	+6.9	+3.3	21,881	20,182	19,299	11,551	+89.4
Construction, mining and material handling equipment . . . . .	9,415	9,494	9,705	-0.8	-2.2	-1.1	9,838	9,986	10,068	11,691	-15.8
Metalworking machinery . . . . .	6,802	6,619	6,691	+2.8	-1.1	+2.0	6,802	6,619	6,691	7,420	-8.3
Computer and office equipment . . . . .	8,004	8,189	7,910	-2.3	+3.5	-3.3	7,924	7,944	7,768	7,774	+1.9
Electronic and other electrical equipment . . . . .	65,098	64,243	63,011	+1.3	+2.0	+0.7	67,009	62,668	63,887	59,883	+11.9
Electrical transmission and distribution equipment and industrial apparatus . . . . .	6,356	6,339	6,280	+0.3	+0.9	+0.3	6,482	6,463	6,399	6,540	-0.9
Electric lighting and wiring equipment . . . . .	5,360	5,177	5,156	+3.5	+0.4	+0.6	5,360	5,177	5,156	5,222	+2.6
Communications equipment . . . . .	18,005	18,042	17,682	-0.2	+2.0	+2.9	17,988	18,042	17,694	16,433	+9.5
Electronic components . . . . .	29,285	28,556	27,772	+2.6	+2.8	0.0	31,087	26,765	28,251	25,301	+22.9
Transportation equipment . . . . .	238,472	244,575	246,284	-2.5	-0.7	-0.8	240,281	246,335	247,072	255,679	-6.0
Aircraft, missiles, space vehicles, and parts . . . . .	199,701	204,756	206,485	-2.5	-0.8	-0.6	201,399	206,175	206,886	220,510	-8.7
Shipbuilding and tanks . . . . .	20,558	20,791	19,881	-1.1	+4.6	-2.3	20,536	20,761	19,855	17,818	+15.3
Instruments and related products . . . . .	47,853	47,271	47,422	+1.2	-0.3	+0.3	48,235	47,329	47,845	49,595	-2.7
Search and navigation equipment . . . . .	26,574	26,238	26,229	+1.3	0.0	+0.3	26,990	26,578	26,485	28,584	-5.6
Measuring and controlling devices . . . . .	10,542	10,451	10,404	+0.9	+0.5	+0.9	10,542	10,451	10,404	10,582	-0.4
Medical instruments and supplies . . . . .	9,828	9,610	9,770	+2.3	-1.6	-0.4	9,791	9,270	9,916	9,103	+7.6
All other durable goods . . . . .	8,713	8,623	8,386	+1.0	+2.8	+2.7	8,687	8,239	7,970	7,809	+11.2
Nondurable goods industries . . . . .	23,421	23,474	23,891	-0.2	-1.7	0.0	23,575	23,294	23,344	25,689	-8.2

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.

**Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 99/98
	Apr. 1999 <sup>a</sup>	Mar. 1999 <sup>a</sup>	Feb. 1999	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1999 <sup>a</sup>	Mar. 1999 <sup>a</sup>	Feb. 1999	Apr. 1998	
All manufacturing industries . . . . .	462,963	463,578	464,198	-0.1	-0.1	-0.1	465,318	462,645	466,680	467,122	-0.4
Manufacturing industries with unfilled orders . . . . .	309,072	309,939	310,711	-0.3	-0.2	0.0	311,039	308,289	311,232	313,015	-0.6
without defense capital goods . . . . .	444,652	445,045	445,418	-0.1	-0.1	-0.2	447,019	444,263	447,999	448,981	-0.4
Durable goods industries . . . . .	292,260	293,391	294,030	-0.4	-0.2	+0.2	293,901	292,680	295,766	295,053	-0.4
With unfilled orders . . . . .	268,132	268,815	269,926	-0.3	-0.4	+0.2	269,688	267,338	270,750	271,433	-0.6
Stone, clay, and glass products . . . . .	9,226	9,258	9,263	-0.3	-0.1	-1.3	9,433	9,482	9,499	9,292	+1.5
Primary metals . . . . .	23,625	23,734	24,176	-0.5	-1.8	-1.1	23,533	23,596	24,258	24,332	-3.3
Blast furnaces, steel mills . . . . .	11,549	11,603	11,776	-0.5	-1.5	-1.2	11,311	11,379	11,779	11,667	-3.1
Iron and steel foundries . . . . .	1,615	1,625	1,624	-0.6	+0.1	+0.6	1,675	1,676	1,652	1,611	+4.0
Nonferrous and other primary metals . . . . .	10,461	10,506	10,776	-0.4	-2.5	-1.1	10,547	10,541	10,827	11,054	-4.6
Fabricated metal products . . . . .	30,776	30,819	30,849	-0.1	-0.1	-0.2	31,091	31,043	30,909	30,954	+0.4
Industrial machinery and equipment . . . . .	60,556	60,817	60,673	-0.4	+0.2	0.0	61,126	60,438	61,627	61,752	-1.0
Engines and turbines . . . . .	4,347	4,235	4,111	+2.6	+3.0	+0.3	4,411	4,134	4,127	4,428	-0.4
Farm and garden machinery . . . . .	3,658	3,731	3,747	-2.0	-0.4	-0.6	3,639	3,981	4,176	3,649	-0.3
Construction, mining and material handling equipment . . . . .	9,068	9,080	9,097	-0.1	-0.2	0.0	9,185	9,166	9,256	8,625	+6.5
Metalworking machinery . . . . .	8,128	7,995	7,938	+1.7	+0.7	-0.5	8,177	7,824	7,867	7,484	+9.3
Computer and office equipment . . . . .	8,920	9,178	9,164	-2.8	+0.2	+1.3	9,120	8,712	9,372	10,496	-13.1
Electronic and other electrical equipment . . . . .	40,496	40,356	40,133	+0.3	+0.6	+1.4	41,149	39,982	40,123	41,779	-1.5
Electrical transmission and distribution equipment and industrial apparatus . . . . .	5,317	5,283	5,365	+0.6	-1.5	-1.1	5,333	5,274	5,455	5,456	-2.3
Household appliances . . . . .	2,389	2,394	2,399	-0.2	-0.2	-0.2	2,560	2,478	2,486	2,559	0.0
Electric lighting and wiring equipment . . . . .	3,543	3,499	3,457	+1.3	+1.2	+0.3	3,585	3,440	3,441	3,445	+4.1
Household audio and video equipment . . . . .	957	959	1,006	-0.2	-4.7	-1.6	909	896	988	837	+8.6
Communications equipment . . . . .	10,546	10,591	9,836	-0.4	+7.7	+3.7	10,758	10,426	9,715	10,726	+0.3
Electronic components . . . . .	14,236	14,020	14,378	+1.5	-2.5	+2.4	14,460	13,868	14,401	15,175	-4.7
Transportation equipment . . . . .	72,521	73,415	73,972	-1.2	-0.8	+0.2	72,313	73,451	74,203	72,593	-0.4
Motor vehicles and parts . . . . .	17,075	17,424	16,978	-2.0	+2.6	-0.7	17,083	17,735	17,026	16,510	+3.5
Aircraft, missiles, space vehicles, and parts . . . . .	49,538	50,191	51,068	-1.3	-1.7	+0.2	49,268	49,861	51,217	50,587	-2.6
Shipbuilding and tanks . . . . .	2,094	2,057	1,888	+1.8	+9.0	+1.6	2,133	2,130	1,907	1,656	+28.8
Instruments and related products . . . . .	26,788	26,706	26,757	+0.3	-0.2	+1.2	27,035	26,453	26,604	26,705	+1.2
Search and navigation equipment . . . . .	6,830	6,821	6,730	+0.1	+1.4	+2.5	6,924	6,718	6,661	6,662	+3.9
Measuring and controlling devices . . . . .	7,971	7,950	7,986	+0.3	-0.5	+0.1	8,058	7,929	7,969	8,314	-3.1
Medical instruments and supplies . . . . .	8,660	8,579	8,599	+0.9	-0.2	+1.7	8,686	8,456	8,567	8,396	+3.5
Photographic goods . . . . .	2,558	2,592	2,691	-1.3	-3.7	-0.1	2,591	2,581	2,661	2,633	-1.6
All other durable goods . . . . .	28,272	28,286	28,207	0.0	+0.3	-0.3	28,221	28,235	28,543	27,646	+2.1
Nondurable goods industries . . . . .	170,703	170,187	170,168	+0.3	0.0	-0.7	171,417	169,965	170,914	172,069	-0.4
With unfilled orders . . . . .	40,940	41,124	40,785	-0.4	+0.8	-1.3	41,351	40,951	40,482	41,582	-0.6
Food and kindred products . . . . .	37,914	37,699	37,773	+0.6	-0.2	+0.3	37,286	37,277	37,974	36,760	+1.4
Meat products . . . . .	4,223	4,187	4,164	+0.9	+0.6	+1.7	4,349	4,266	4,268	4,153	+4.7
Dairy products . . . . .	3,880	3,908	3,967	-0.7	-1.5	+1.4	3,993	3,894	3,910	3,927	+1.7
Beverages . . . . .	8,559	8,506	8,558	+0.6	-0.6	+1.7	8,596	8,538	8,602	8,138	+5.6
All other foods, except fats and oils . . . . .	19,471	19,285	19,252	+1.0	+0.2	-0.7	18,581	18,722	19,258	18,625	-0.2
Tobacco products . . . . .	5,343	5,363	5,513	-0.4	-2.7	-3.0	5,229	5,416	5,947	5,707	-8.4
Textile mill products . . . . .	10,106	10,080	10,025	+0.3	+0.5	-0.5	10,343	10,082	10,129	10,482	-1.3
Broadwoven fabrics and other textiles . . . . .	6,221	6,231	6,248	-0.2	-0.3	-0.8	6,340	6,202	6,343	6,499	-2.4
Paper and allied products . . . . .	15,984	16,073	16,078	-0.6	0.0	-0.6	16,182	16,236	16,197	16,609	-2.6
Pulp, paper, and paperboard mill products . . . . .	6,498	6,563	6,591	-1.0	-0.4	-0.4	6,535	6,640	6,700	6,619	-1.3
Paperboard containers and boxes . . . . .	3,923	3,941	3,943	-0.5	-0.1	-1.1	3,976	3,989	3,975	4,280	-7.1
Miscellaneous converted paper products . . . . .	5,563	5,569	5,544	-0.1	+0.5	-0.6	5,671	5,607	5,522	5,710	-0.7
Chemicals and allied products . . . . .	46,312	45,918	46,295	+0.9	-0.8	-0.3	46,845	46,170	46,841	46,137	+1.5
Industrial chemicals . . . . .	19,095	19,157	19,316	-0.3	-0.8	-1.2	19,093	19,164	19,554	20,469	-6.7
Drugs, soaps, and toiletries . . . . .	21,325	20,898	21,170	+2.0	-1.3	+0.6	21,640	20,663	21,045	20,088	+7.7
Petroleum and coal products . . . . .	10,723	10,545	10,040	+1.7	+5.0	-1.9	10,850	10,403	9,724	11,467	-5.4
Rubber and plastics products . . . . .	16,730	16,659	16,710	+0.4	-0.3	-0.4	16,960	16,967	17,095	16,745	+1.3
All other nondurable goods . . . . .	27,591	27,850	27,734	-0.9	+0.4	-1.9	27,722	27,414	27,007	28,162	-1.6

<sup>a</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Apr. 1998	Apr. 99/98	1999 <sup>p</sup>	1998
<b>SHIPMENTS</b>													
All manufacturing industries . . . . .	347,558	349,065	343,724	-0.4	+1.6	+0.6	344,047	369,208	341,000	332,551	+3.5	1,361,837	1,322,262
Market categories :													
Automotive equipment . . . . .	15,635	16,217	15,796	-3.6	+2.7	+1.5	16,548	17,844	17,256	15,201	+8.9	65,983	59,329
Home goods and apparel . . . . .	20,295	19,795	19,741	+2.5	+0.3	-0.2	19,422	20,808	19,763	18,021	+7.8	76,766	72,930
Consumer staples . . . . .	71,765	72,057	70,814	-0.4	+1.8	+1.7	69,710	73,294	67,997	66,987	+4.1	276,377	266,941
Machinery and equipment . . . . .	67,659	68,018	65,797	-0.5	+3.4	-0.2	65,184	76,810	64,180	61,150	+6.6	261,467	247,384
Business supplies . . . . .	25,960	26,229	26,020	-1.0	+0.8	+0.6	26,249	26,580	25,461	25,996	+1.0	101,942	99,715
Construction materials and supplies . . . . .	22,739	22,685	22,437	+0.2	+1.1	+1.9	22,907	22,881	21,548	21,496	+6.6	86,558	82,211
Defense products . . . . .	6,746	6,912	6,930	-2.4	-0.3	-0.4	6,428	7,419	7,001	6,806	-5.6	26,611	26,860
Other materials, supplies and intermediate products . . . . .	116,759	117,152	116,189	-0.3	+0.8	+0.2	117,599	123,572	117,794	116,894	+0.6	466,133	466,892
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	54,754	54,217	52,772	+1.0	+2.7	-0.3	50,797	62,137	50,014	46,966	+8.2	205,960	195,011
Excluding aircraft and parts . . . . .	46,033	45,653	44,228	+0.8	+3.2	-0.4	42,149	52,867	41,929	39,531	+6.6	172,849	166,203
Defense capital goods <sup>4</sup> . . . . .	6,525	6,673	6,729	-2.2	-0.8	-0.2	6,159	7,173	6,754	6,450	-4.5	25,580	25,431
Durables excluding capital goods . . . . .	135,972	137,402	134,964	-1.0	+1.8	+0.4	137,880	146,170	138,151	131,543	+4.8	544,143	518,831
Miscellaneous series :													
Producers' durable equipment . . . . .	129,570	130,124	126,816	-0.4	+2.6	0.0	127,729	144,571	127,867	118,802	+7.5	510,541	479,258
Household durable goods . . . . .	10,497	10,169	10,279	+3.2	-1.1	+2.2	10,201	11,111	10,162	8,858	+15.2	39,939	35,842
Information technology industries . . . . .	26,831	25,972	25,468	+3.3	+2.0	-1.5	22,866	31,010	23,214	20,638	+10.8	97,216	90,747
Health care equipment and products . . . . .	12,978	13,075	12,624	-0.7	+3.6	+4.5	12,269	13,996	12,146	11,043	+11.1	49,758	45,725
<b>NEW ORDERS</b>													
All manufacturing industries . . . . .	345,418	349,722	343,046	-1.2	+1.9	-1.8	346,194	367,859	339,552	336,909	+2.8	1,379,198	1,332,600
Market categories :													
Automotive equipment . . . . .	15,606	16,200	15,726	-3.7	+3.0	+0.3	16,474	17,807	17,200	15,119	+9.0	66,088	59,307
Home goods and apparel . . . . .	20,367	20,022	19,940	+1.7	+0.4	+1.3	19,618	20,986	20,139	17,763	+10.4	77,908	72,600
Consumer staples . . . . .	71,739	72,156	70,782	-0.6	+1.9	+1.5	69,694	73,404	67,713	67,002	+4.0	276,405	266,935
Machinery and equipment . . . . .	65,331	66,834	65,715	-2.2	+1.7	-5.9	63,527	74,907	64,574	62,685	+1.3	263,515	251,676
Business supplies . . . . .	25,954	26,343	25,967	-1.5	+1.4	-0.3	26,397	26,744	25,250	26,148	+1.0	102,419	100,059
Construction materials and supplies . . . . .	22,835	22,781	22,578	+0.2	+0.9	+2.1	23,039	23,099	21,798	21,767	+5.8	87,430	83,053
Defense products . . . . .	5,396	8,081	5,757	-33.2	+40.4	-30.6	5,339	9,597	4,886	6,931	-23.0	28,542	27,095
Other materials, supplies and intermediate products . . . . .	118,190	117,305	116,581	+0.8	+0.6	-1.1	122,106	121,315	117,992	119,494	+2.2	476,891	471,875
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	52,603	53,299	53,233	-1.3	+0.1	-6.4	48,648	60,457	50,791	47,519	+2.4	207,888	198,156
Excluding aircraft and parts . . . . .	47,511	47,301	45,522	+0.4	+3.9	+0.5	43,629	53,753	43,539	38,934	+12.1	178,803	168,556
Defense capital goods <sup>4</sup> . . . . .	5,106	7,769	5,499	-34.3	+41.3	-31.4	5,078	9,359	4,655	6,813	-25.5	27,636	26,350
Durables excluding capital goods . . . . .	137,455	138,298	135,054	-0.6	+2.4	-1.3	142,976	144,365	138,078	134,827	+6.0	556,891	524,640
Miscellaneous series :													
Producers' durable equipment . . . . .	126,840	129,074	125,786	-1.7	+2.6	-4.4	125,308	142,168	127,342	119,911	+4.5	512,858	482,983
Household durable goods . . . . .	10,518	10,446	10,429	+0.7	+0.2	+3.9	10,248	11,209	10,311	8,583	+19.4	40,623	35,208
Information technology industries . . . . .	26,656	26,538	26,329	+0.4	+0.8	+1.2	22,810	31,499	24,249	20,375	+12.0	98,801	92,467
Health care equipment and products . . . . .	13,196	12,916	12,580	+2.2	+2.7	+2.9	12,791	13,351	12,044	11,467	+11.5	49,964	46,403

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

<sup>2</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

<sup>3</sup> Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and air conditioning equipment; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and ships and tank components; railroad equipment; and search and navigation equipment.

<sup>4</sup> Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS AND TOTAL INVENTORIES  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 99/98
	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Apr. 1998	
UNFILLED ORDERS											
All manufacturing industries . . . . .	524,516	526,656	525,999	-0.4	+0.1	-0.1	530,347	528,200	529,549	541,896	-2.1
Market categories :											
Automotive equipment . . . . .	2,479	2,508	2,526	-1.2	-0.7	-2.7	2,510	2,584	2,621	2,464	+1.9
Home goods and apparel . . . . .	9,386	9,314	9,087	+0.8	+2.5	+2.2	9,454	9,258	9,079	8,228	+14.9
Consumer staples . . . . .	2,500	2,527	2,428	-1.1	+4.1	-1.3	2,291	2,306	2,196	2,043	+12.1
Machinery and equipment . . . . .	241,920	244,248	245,431	-1.0	-0.5	0.0	242,619	244,276	246,179	247,035	-1.8
Business supplies . . . . .	7,030	7,036	6,922	-0.1	+1.6	-0.8	6,997	6,850	6,686	6,776	+3.3
Construction materials and supplies . . . . .	17,937	17,841	17,746	+0.5	+0.5	+0.8	18,113	17,981	17,763	18,467	-1.9
Defense products . . . . .	90,946	92,296	91,127	-1.5	+1.3	-1.3	92,846	93,936	91,758	97,781	-5.0
Other materials, supplies and and intermediate products . . . . .	152,318	150,886	150,732	+0.9	+0.1	+0.3	155,517	151,009	153,267	159,102	-2.3
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	258,681	260,832	261,750	-0.8	-0.4	+0.2	259,010	261,159	262,839	264,361	-2.0
Excluding aircraft and parts . . . . .	112,202	110,724	109,076	+1.3	+1.5	+1.2	112,531	111,051	110,165	105,525	+6.6
Defense capital goods <sup>4</sup> . . . . .	95,672	97,091	95,995	-1.5	+1.1	-1.3	97,769	98,850	96,664	103,135	-5.2
Durables excluding capital goods . . . . .	146,742	145,259	144,363	+1.0	+0.6	+0.1	149,993	144,897	146,702	148,711	+0.9
Miscellaneous series :											
Producers' durable equipment . . . . .	281,330	284,060	285,110	-1.0	-0.4	-0.4	281,821	284,242	286,645	286,839	-1.7
Household durable goods . . . . .	5,950	5,929	5,652	+0.4	+4.9	+2.7	5,845	5,798	5,700	5,149	+13.5
Information technology industries . . . . .	40,775	40,950	40,384	-0.4	+1.4	+2.2	40,701	40,757	40,268	39,690	+2.5
Health care equipment and products . . . . .	9,869	9,651	9,811	+2.3	-1.6	-0.4	9,831	9,309	9,954	9,144	+7.5
TOTAL INVENTORIES											
All manufacturing industries . . . . .	462,963	463,578	464,198	-0.1	-0.1	-0.1	465,318	462,645	466,680	467,122	-0.4
Market categories :											
Automotive equipment . . . . .	8,597	8,772	8,516	-2.0	+3.0	-0.8	8,676	8,937	8,570	8,372	+3.6
Home goods and apparel . . . . .	31,138	31,410	31,578	-0.9	-0.5	-0.8	31,407	31,193	31,434	31,553	-0.5
Consumer staples . . . . .	74,025	73,313	73,309	+1.0	0.0	-0.2	73,831	72,630	73,478	72,530	+1.8
Machinery and equipment . . . . .	117,807	118,433	118,149	-0.5	+0.2	+0.7	118,684	117,839	119,200	119,660	-0.8
Business supplies . . . . .	28,367	28,261	27,965	+0.4	+1.1	-1.5	28,627	28,190	27,779	28,253	+1.3
Construction materials and supplies . . . . .	28,716	28,755	28,741	-0.1	0.0	-0.4	28,960	29,007	29,050	28,687	+1.0
Defense products . . . . .	17,957	18,168	18,365	-1.2	-1.1	+1.0	17,955	18,019	18,267	17,808	+0.8
Other materials, supplies and and intermediate products . . . . .	156,356	156,466	157,575	-0.1	-0.7	-0.4	157,178	156,830	158,902	160,259	-1.9
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	109,927	110,417	110,270	-0.4	+0.1	+0.5	110,685	109,409	110,960	112,065	-1.2
Excluding aircraft and parts . . . . .	72,236	72,277	71,701	-0.1	+0.8	+0.9	73,221	71,461	72,161	73,358	-0.2
Defense capital goods <sup>4</sup> . . . . .	18,311	18,533	18,780	-1.2	-1.3	+1.1	18,299	18,382	18,681	18,141	+0.9
Durables excluding capital goods . . . . .	164,022	164,441	164,980	-0.3	-0.3	-0.2	164,917	164,889	166,125	164,847	0.0
Miscellaneous series :											
Producers' durable equipment . . . . .	189,775	190,873	190,422	-0.6	+0.2	+0.3	191,075	190,251	191,541	192,023	-0.5
Household durable goods . . . . .	16,145	16,234	16,279	-0.5	-0.3	-1.0	16,209	16,127	16,352	15,758	+2.9
Information technology industries . . . . .	32,690	32,942	32,250	-0.8	+2.1	+2.0	33,318	32,279	32,276	34,591	-3.7
Health care equipment and products . . . . .	20,200	19,892	20,057	+1.5	-0.8	+1.1	20,395	19,645	19,961	19,285	+5.8

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,  
BY INDUSTRY GROUP  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 99/98
	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Apr. 1998	
MATERIALS AND SUPPLIES											
All manufacturing industries . . . . .	152,477	153,388	153,939	-0.6	-0.4	0.0	152,000	152,705	154,371	154,280	-1.5
Durable goods industries . . . . .	91,718	92,298	92,436	-0.6	-0.1	+0.5	90,999	91,271	92,448	91,738	-0.8
Stone, clay, and glass products . . . . .	3,181	3,194	3,136	-0.4	+1.8	+0.1	3,149	3,163	3,134	2,953	+6.6
Primary metals . . . . .	7,470	7,578	7,590	-1.4	-0.2	-1.4	7,215	7,307	7,497	7,618	-5.3
Fabricated metal products . . . . .	10,351	10,412	10,429	-0.6	-0.2	+0.2	10,280	10,381	10,406	10,590	-2.9
Industrial machinery and equipment . . . . .	20,118	20,304	19,989	-0.9	+1.6	0.0	20,058	20,070	20,089	19,903	+0.8
Electronic and other electrical equipment . . . . .	15,532	15,607	15,636	-0.5	-0.2	+0.8	15,611	15,423	15,534	15,636	-0.2
Transportation equipment . . . . .	15,042	15,041	15,552	0.0	-3.3	+1.9	15,014	15,065	15,648	15,287	-1.8
Instruments and related products . . . . .	9,128	9,178	9,130	-0.5	+0.5	+2.9	9,197	9,142	9,029	9,310	-1.2
Lumber, furniture and miscellaneous durable goods . . . . .	10,896	10,984	10,974	-0.8	+0.1	-1.1	10,475	10,720	11,111	10,441	+0.3
Nondurable goods industries . . . . .	60,759	61,090	61,503	-0.5	-0.7	-0.9	61,001	61,434	61,923	62,542	-2.5
Food and kindred products . . . . .	11,285	11,392	11,315	-0.9	+0.7	-0.8	11,327	11,508	11,441	11,311	+0.1
Tobacco products . . . . .	4,701	4,711	4,809	-0.2	-2.0	-2.4	4,702	4,827	5,113	5,035	-6.6
Textile mill products . . . . .	2,819	2,845	2,869	-0.9	-0.8	-0.4	2,865	2,883	2,906	3,026	-5.3
Paper and allied products . . . . .	7,713	7,762	7,772	-0.6	-0.1	-0.9	7,766	7,807	7,801	8,076	-3.8
Chemicals and allied products . . . . .	15,624	15,516	15,661	+0.7	-0.9	-0.9	15,662	15,488	15,712	15,234	+2.8
Petroleum and coal products . . . . .	3,164	3,195	3,115	-1.0	+2.6	+1.4	3,237	3,267	3,057	3,483	-7.1
Rubber and plastics products . . . . .	6,765	6,761	6,830	+0.1	-1.0	-0.2	6,782	6,774	6,888	6,749	+0.5
Apparel, printing and publishing and leather goods . . . . .	8,688	8,908	9,132	-2.5	-2.5	-1.4	8,660	8,880	9,005	9,628	-10.1
WORK IN PROCESS											
All manufacturing industries . . . . .	148,698	148,395	148,707	+0.2	-0.2	-0.1	148,981	147,292	148,767	150,409	-0.9
Durable goods industries . . . . .	117,796	118,609	119,250	-0.7	-0.5	-0.1	118,022	118,080	119,390	120,869	-2.4
Stone, clay, and glass products . . . . .	1,351	1,321	1,344	+2.3	-1.7	-4.3	1,410	1,404	1,424	1,362	+3.5
Primary metals . . . . .	8,142	8,228	8,426	-1.0	-2.3	-1.3	8,179	8,278	8,447	8,718	-6.2
Fabricated metal products . . . . .	8,890	9,005	9,061	-1.3	-0.6	-0.1	8,858	8,977	8,922	8,977	-1.3
Industrial machinery and equipment . . . . .	22,217	22,196	22,654	+0.1	-2.0	+0.5	22,328	21,876	22,861	22,952	-2.7
Electronic and other electrical equipment . . . . .	14,136	13,868	13,733	+1.9	+1.0	+0.2	14,342	13,731	13,782	15,039	-4.6
Transportation equipment . . . . .	47,723	48,781	48,779	-2.2	0.0	-0.1	47,407	48,669	48,702	48,445	-2.1
Instruments and related products . . . . .	9,944	9,931	9,998	+0.1	-0.7	+0.3	10,067	9,867	9,996	10,048	+0.2
Lumber, furniture and miscellaneous durable goods . . . . .	5,393	5,279	5,255	+2.2	+0.5	-0.8	5,431	5,278	5,256	5,328	+1.9
Nondurable goods industries . . . . .	30,902	29,786	29,457	+3.7	+1.1	+0.1	30,959	29,212	29,377	29,540	+4.8
Food and kindred products . . . . .	6,622	6,168	6,151	+7.4	+0.3	+2.0	6,421	6,000	6,270	5,466	+17.5
Tobacco products . . . . .	84	92	93	-8.7	-1.1	-2.1	76	92	91	110	-30.9
Textile mill products . . . . .	2,545	2,526	2,518	+0.8	+0.3	-1.4	2,568	2,509	2,516	2,719	-5.6
Paper and allied products . . . . .	1,627	1,650	1,650	-1.4	0.0	+0.2	1,647	1,675	1,687	1,678	-1.8
Chemicals and allied products . . . . .	9,086	8,728	8,762	+4.1	-0.4	+1.8	9,173	8,536	8,724	8,615	+6.5
Petroleum and coal products . . . . .	2,574	2,452	2,241	+5.0	+9.4	-2.2	2,628	2,434	2,190	2,724	-3.5
Rubber and plastics products . . . . .	2,297	2,275	2,225	+1.0	+2.2	-0.9	2,289	2,293	2,263	2,223	+3.0
Apparel, printing and publishing and leather goods . . . . .	6,067	5,895	5,817	+2.9	+1.3	-2.7	6,157	5,673	5,636	6,005	+2.5
FINISHED GOODS											
All manufacturing industries . . . . .	161,788	161,795	161,552	0.0	+0.2	-0.3	164,337	162,648	163,542	162,433	+1.2
Durable goods industries . . . . .	82,746	82,484	82,344	+0.3	+0.2	+0.1	84,880	83,329	83,928	82,446	+3.0
Stone, clay, and glass products . . . . .	4,694	4,743	4,783	-1.0	-0.8	-1.2	4,874	4,915	4,941	4,977	-2.1
Primary metals . . . . .	8,013	7,928	8,160	+1.1	-2.8	-0.5	8,139	8,011	8,314	7,996	+1.8
Fabricated metal products . . . . .	11,535	11,402	11,359	+1.2	+0.4	-0.8	11,953	11,685	11,581	11,387	+5.0
Industrial machinery and equipment . . . . .	18,221	18,317	18,030	-0.5	+1.6	-0.4	18,740	18,492	18,677	18,897	-0.8
Electronic and other electrical equipment . . . . .	10,828	10,881	10,764	-0.5	+1.1	+3.8	11,196	10,828	10,807	11,104	+0.8
Transportation equipment . . . . .	9,756	9,593	9,641	+1.7	-0.5	-1.1	9,892	9,717	9,853	8,861	+11.6
Instruments and related products . . . . .	7,716	7,597	7,629	+1.6	-0.4	+0.3	7,771	7,444	7,579	7,347	+5.8
Lumber, furniture and miscellaneous durable goods . . . . .	11,983	12,023	11,978	-0.3	+0.4	+0.7	12,315	12,237	12,176	11,877	+3.7
Nondurable goods industries . . . . .	79,042	79,311	79,208	-0.3	+0.1	-0.8	79,457	79,319	79,614	79,987	-0.7
Food and kindred products . . . . .	20,007	20,139	20,307	-0.7	-0.8	+0.4	19,538	19,769	20,263	19,983	-2.2
Tobacco products . . . . .	558	560	611	-0.4	-8.3	-7.6	451	497	743	562	-19.8
Textile mill products . . . . .	4,742	4,709	4,638	+0.7	+1.5	-0.1	4,910	4,690	4,707	4,737	+3.7
Paper and allied products . . . . .	6,644	6,661	6,656	-0.3	+0.1	-0.5	6,769	6,754	6,709	6,855	-1.3
Chemicals and allied products . . . . .	21,602	21,674	21,872	-0.3	-0.9	-0.6	22,010	22,146	22,405	22,288	-1.2
Petroleum and coal products . . . . .	4,985	4,898	4,684	+1.8	+4.6	-3.9	4,985	4,702	4,477	5,260	-5.2
Rubber and plastics products . . . . .	7,668	7,623	7,655	+0.6	-0.4	-0.5	7,889	7,900	7,944	7,773	+1.5
Apparel, printing and publishing and leather goods . . . . .	12,836	13,047	12,785	-1.6	+2.0	-1.9	12,905	12,861	12,366	12,529	+3.0

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.

**Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**  
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio <sup>1</sup>			
	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Jan. 1999	Apr. 1999 <sup>p</sup>	Mar. 1999 <sup>r</sup>	Feb. 1999	Jan. 1999
All manufacturing industries . . . . .	1.33	1.33	1.35	1.36	2.63	2.64	2.67	2.67
Durable goods industries . . . . .	1.48	1.48	1.51	1.51	3.08	3.10	3.15	3.14
Stone, clay, and glass products . . . . .	1.10	1.09	1.10	1.14	0.77	0.78	0.77	0.79
Primary metals . . . . .	1.67	1.64	1.70	1.71	2.12	2.02	2.06	2.02
Fabricated metal products . . . . .	1.50	1.51	1.51	1.51	1.34	1.36	1.36	1.35
Industrial machinery and equipment . . . . .	1.61	1.64	1.65	1.66	2.22	2.19	2.17	2.17
Electronic and other electrical equipment . . . . .	1.21	1.22	1.25	1.21	1.94	1.94	1.95	1.91
Transportation equipment . . . . .	1.52	1.49	1.56	1.56	8.97	9.07	9.51	9.55
Instruments and related products . . . . .	1.88	1.84	1.90	1.89	3.35	3.25	3.38	3.38
Nondurable goods industries . . . . .	1.14	1.13	1.14	1.16	0.63	0.64	0.64	0.64
Food and kindred products . . . . .	0.93	0.90	0.91	0.91	(X)	(X)	(X)	(X)
Tobacco products . . . . .	1.31	1.29	1.35	1.41	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.54	1.58	1.56	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.19	1.20	1.18	1.20	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.38	1.37	1.39	1.44	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.83	0.85	0.89	0.93	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.24	1.22	1.22	1.27	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary. <sup>r</sup> Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup> Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals petroleum and coal products; and rubber and plastics products.

**Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**  
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr. <sup>1</sup> 1999	Apr. <sup>2</sup> 1994-1998	Apr. 1998-Mar. 1999	Apr. <sup>1</sup> 1999	Apr. <sup>2</sup> 1994-1998	Apr. 1998-Mar. 1999	Apr. <sup>1</sup> 1999	Apr. <sup>2</sup> 1994-1998	Apr. 1998-Mar. 1999	Apr. <sup>1</sup> 1999	Apr. <sup>2</sup> 1994-1998	Apr. 1998-Mar. 1999
All manufacturing industries . . . . .	(X)	0.2	0.2	(X)	0.3	0.3	(X)	0.0	0.1	(X)	0.0	0.0
Durable goods industries . . . . .	0.1	0.2	0.2	0.2	0.4	0.4	0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products . . . . .	(X)	0.6	0.4	(X)	0.9	0.6	(X)	0.6	0.4	(X)	0.2	0.2
Primary metals . . . . .	-0.2	0.6	0.3	0.3	1.0	0.8	0.2	0.3	0.2	(X)	0.2	0.1
Fabricated metal products . . . . .	(X)	0.2	0.3	(X)	0.3	0.4	(X)	0.2	0.3	(X)	0.1	0.1
Industrial machinery and equipment . . . . .	0.4	0.3	0.4	0.1	0.4	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment . . . . .	0.9	0.3	0.5	1.2	0.9	1.4	0.2	0.5	0.6	(X)	0.1	0.2
Transportation equipment . . . . .	-0.5	0.2	0.7	0.1	0.5	1.0	0.1	0.1	0.1	(X)	0.1	0.2
Instruments and related products . . . . .	(X)	0.5	0.6	(X)	1.3	1.5	(X)	0.3	0.4	(X)	0.1	0.1
Nondurable goods industries . . . . .	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.1	0.1
Food and kindred products . . . . .	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products . . . . .	(X)	0.2	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products . . . . .	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products . . . . .	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
Chemicals and allied products . . . . .	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products . . . . .	(X)	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7
Rubber and plastics products . . . . .	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries :												
Nondefense . . . . .	0.2	0.3	0.3	0.2	0.2	0.5	0.0	0.1	0.1	(X)	0.1	0.1
Defense . . . . .	-1.5	0.2	0.4	2.1	1.6	3.4	0.2	0.1	0.2	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

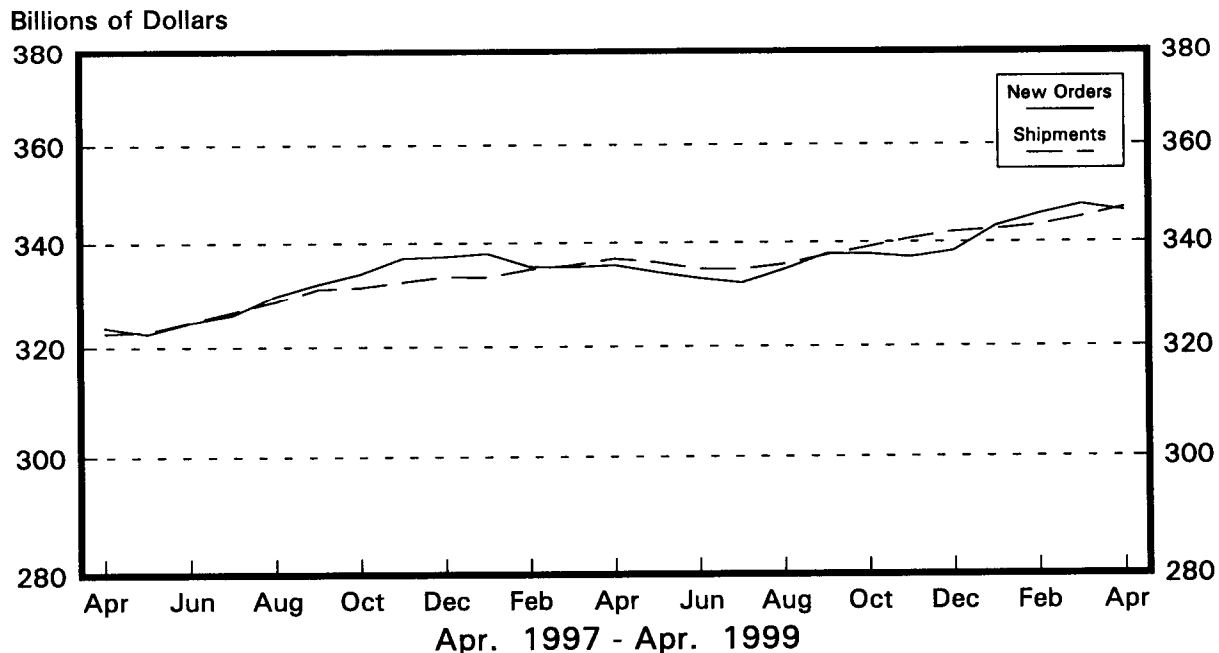
<sup>2</sup> Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

## Total Manufacturing

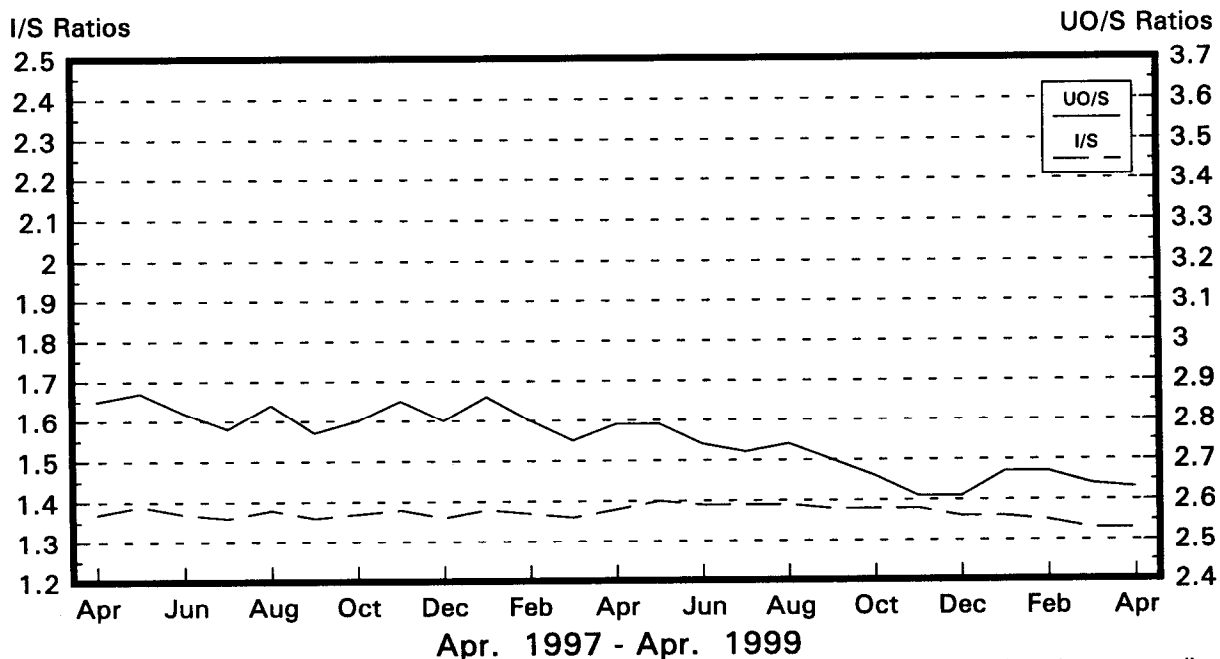
### New Orders and Shipments

### Three Month Moving Averages



## Total Manufacturing

### Ratio of Unfilled Orders and Inventories to Shipments



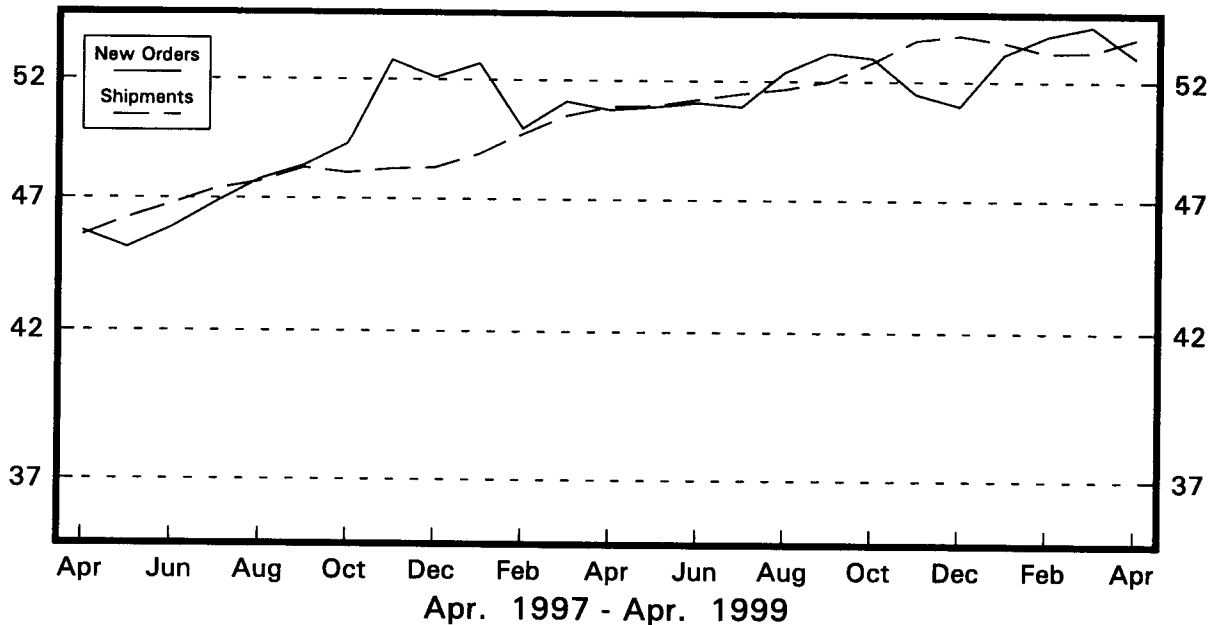
Note: All Charts based on seasonally adjusted current dollars.

# Nondefense Capital Goods

11

New Orders and Shipments  
Three Month Moving Averages

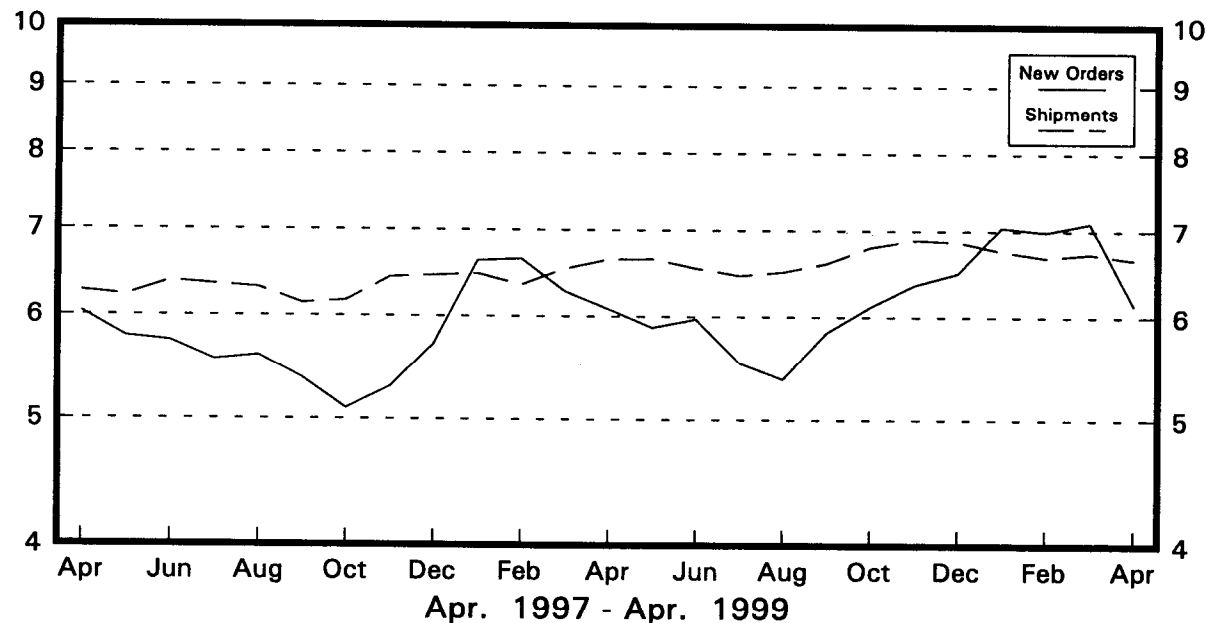
Billions of Dollars



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.